



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2004

May 2004								
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<u>IOWA, Northeast</u>								
Fayette County								
Fairbank	08	1618CST			0	0		Hail(0.75)
Allamakee County								
2 S New Albin	08	1808CST			0	0	0.75K	Hail(1.50)
Allamakee County								
New Albin	08	1809CST			0	0		Hail(0.88)
Floyd County								
Marble Rock	08	1833CST			0	0		Hail(0.75)
Allamakee County								
2 NW Lansing	08	1835CST			0	0	0.50K	Hail(1.00)
Floyd County								
Marble Rock	08	1835CST			0	0	0.80K	Hail(1.00)
Floyd County								
Charles City	08	1845CST			0	0	0.80K	Hail(1.00)
Floyd County								
Charles City	08	1845CST			0	0	250K	Hail(3.00)
Floyd County								
Charles City	08	1846CST			0	0	12.5K	Hail(1.75)
Floyd County								
Charles City	08	1854CST			0	0	150K	Hail(2.75)
Floyd County								
Charles City	08	1855CST			0	0	100K	Hail(2.50)
Chickasaw County								
2 W Ionia	08	1905CST			0	0	1.3K	Hail(1.75)
Chickasaw County								
Ionia	08	1909CST			0	0	0.75K	Hail(1.00)
Chickasaw County								
North Washington	08	1910CST			0	0	1.3K	Hail(1.75)
Chickasaw County								
New Hampton	08	1920CST			0	0	0.70K	Hail(1.00)
Chickasaw County								
New Hampton	08	1930CST			0	0	0.50K	Hail(1.00)
Chickasaw County								
New Hampton	08	1930CST			0	0	5K	Hail(1.75)
Winneshiek County								
Ridgeway	08	1938CST			0	0		Hail(0.75)
Numerous reports of large hail were received by law enforcement officials, amateur radio operators, spotters and the public. Hail sizes ranged from pennies to as large as baseballs. In fact, hail as large as 3 inches in diameter caused extensive damage in Charles City (Floyd County), knocking out windows and damaging roofs of residences and businesses. Over 300 vehicles at car dealerships on the south side of Charles City sustained considerable damage due to the large hail, with damage estimates totaling around a half million dollars.								
Allamakee County								
Northeast Portion	08	1950CST 2230CST			0	0	50K	Flash Flood



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<u>IOWA, Northeast</u>									
Clayton County 2 NE Millville	19	0757CST			0	0			Thunderstorm Wind (EG52)
									Wind gusts of around 60 mph were reported by law enforcement officials.
Winneshiek County Conover	21	0401CST			0	0			Hail(0.75)
Fayette County Fayette	21	0510CST			0	0			Hail(0.75)
Clayton County Volga	21	0530CST			0	0			Hail(0.75)
									Penny size hail was reported by the public, spotters and law enforcement officials.
Allamakee County 4 NW Lansing	21	1155CST			0	0			Hail(0.88)
Winneshiek County 1 S Castalia	21	1315CST			0	0	0.75K		Hail(1.00)
Winneshiek County 1 SE Castalia	21	1317CST			0	0			Hail(0.88)
Fayette County 2 NE West Union	21	1325CST			0	0			Thunderstorm Wind (EG57)
									Hail the size of pennies, nickels and quarters was reported by the public and amateur radio operators. In addition, the emergency manager estimated wind gusts around 65 mph near West Union (Fayette County).
Floyd County Marble Rock	21	1742CST			0	0			Hail(0.75)
Floyd County 2 W Powersville	21	1756CST			0	0			Hail(1.25)
Chickasaw County Nashua	21	1811CST			0	0			Hail(0.88)
Floyd County Rudd	22	0058CST			0	0			Hail(0.75)
									The public, law enforcement officials and emergency managers reported hail ranging in size from pennies to half dollars.
Floyd County Countywide	21 22	1840CST 0040CST			0	0	75K	85K	Flash Flood
Chickasaw County Countywide	21 22	1933CST 0040CST			0	0	150K	100K	Flash Flood
Fayette County Countywide	21 22	2001CST 0040CST			0	0	75K	75K	Flash Flood
Allamakee County Countywide	21 22	2041CST 0040CST			0	0	70K	50K	Flash Flood
Winneshiek County Countywide	21 22	2041CST 0040CST			0	0	65K	80K	Flash Flood
Howard County Countywide	21 22	2048CST 0040CST			0	0	50K	85K	Flash Flood
Clayton County Countywide	21	2130CST			0	0	65K	80K	Flash Flood



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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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IOWA, Northeast

	22	0040CST							
Mitchell County									
Countywide	21 22	2200CST 0040CST			0	0	45K	50K	Flash Flood
Rainfall amounts of 3 to 6 inches caused widespread flash flooding. Numerous road washouts were reported by law enforcement officials across northeast Iowa. In addition, two bridges were washed out and 40 homes received flood damage in Fredericksburg (Chickasaw County). Mudslides blocked Highway 76 near Effigy Mounds and the Great River Road near Waukon Junction (Allamakee County). Due to extensive damage caused by flooding, all counties in northeast Iowa were declared disaster areas									

Fayette County									
Oelwein	22	0119CST			0	0			Hail(0.75)
Clayton County									
Osborne	22	0134CST			0	0			Hail(0.88)
Law enforcement officials and the public reported hail the size of pennies and nickels.									

IAZ010-029>030									
		Winneshiek - Fayette - Clayton							
	22 26	0200CST 0300CST			0	0	1.6M	1.8M	Flood
Major flooding occurred on the Turkey River as a result of rainfall totals of 8 to 10 inches. At Garber, a new all-time flood record was established when the river crested at 32.8 feet on May 23. The previous flood of record occurred on May 17, 1999 when the river crested at 30.91 feet. At Elkader, the river crested at 25.6 feet on May 23, which threatened to overtop the dike and forced evacuations on the south side of town. Numerous homes were so badly damaged, residents had to either rebuild or move to a different location. The town of Elkport (Clayton County) was also hit hard by flooding, with several bridges and highways damaged by high water. Damage to roads, structures and agricultural land caused by flood waters was estimated at nearly 3.5 million dollar.									

IAZ010>011									
		Winneshiek - Allamakee							
	22 24	0600CST 0200CST			0	0	30K		Flood
Rainfall totals of 8 to 10 inches caused flooding of mainly agricultural land along the Upper Iowa River.									

IAZ008-018									
		Mitchell - Floyd							
	22 23	1200CST 2100CST			0	0	75K	110K	Flood
Rainfall totals of 6 to 8 inches caused the Cedar River to flood. The river crested at 16.5 feet on May 23 in Charles City, which forced the evacuation of some residents and closure of roads. In addition, several farm fields near the river were flooded, damaging newly planted crops of corn and soybeans.									

Fayette County									
Countywide	23	0048CST 0415CST			0	0	125K	125K	Flash Flood
Clayton County									
Countywide	23	0058CST 0415CST			0	0	125K	100K	Flash Flood
Floyd County									
Countywide	23	0143CST 0415CST			0	0	90K	100K	Flash Flood
Chickasaw County									
South Portion	23	0145CST 0415CST			0	0	100K	125K	Flash Flood

A second consecutive night of flash flooding affected much of northeast Iowa, when rainfall amounts of 2 to 4 inches occurred in three hours. Law enforcement officials reported water 3 feet deep covering roads in Arlington (Fayette County) and McGregor



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					Killed	Injured	Property	Crops	

IOWA, Northeast

(Clayton County). In addition, mudslides were reported between McGregor and Marquette (Clayton County).

Clayton County

South Portion	30	1605CST 1800CST			0	0	1K	1.5K	Flash Flood
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Localized flash flooding was caused by 1 to 2 inches of rain in less than two hours.

MINNESOTA, Southeast

Dodge County

3 S Hayfield	07	2320CST			0	0			Hail(0.88)
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Mower County

2 N Waltham	07	2320CST			0	0			Hail(0.88)
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Fillmore County

4 W Washington	07	2359CST			0	0			Hail(0.88)
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Dodge County

2 W Hayfield	08	0015CST			0	0	0.50K		Hail(1.00)
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Fillmore County

Chatfield	08	0020CST			0	0			Hail(0.88)
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Olmsted County

10 E Pleasant Grove	08	0020CST			0	0			Hail(0.88)
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Fillmore County

Chatfield	08	0045CST			0	0			Hail(0.88)
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Olmsted County

10 E Pleasant Grove	08	0045CST			0	0			Hail(0.88)
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Winona County

Troy	08	0105CST			0	0			Hail(0.88)
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Fillmore County

Rushford	08	0128CST			0	0			Hail(0.88)
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Mower County

Austin	08	0232CST			0	0			Hail(0.88)
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Hail the size of nickels and quarters was reported by the public, law enforcement officials and the broadcast media.

Wabasha County

Wabasha	09	1906CST			0	0			Hail(0.75)
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Dodge County

6 N Mantorville	09	2116CST			0	0			Hail(0.75)
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Dodge County

2 W West Concord	09	2118CST			0	0			Hail(0.75)
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Dodge County

Concord	09	2124CST			0	0	0.80K		Hail(1.00)
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Dodge County

1 NW Dodge Center	09	2126CST			0	0			Hail(0.75)
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Olmsted County

1 NW Byron	09	2136CST			0	0			Hail(0.75)
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Olmsted County

1 S Douglas	09	2144CST			0	0			Hail(0.88)
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Olmsted County

Potsdam	09	2144CST			0	0	1K		Hail(1.00)
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					Killed	Injured	Property Crops	

MINNESOTA, Southeast

Olmsted County								
Potsdam	09	2147CST			0	0	0.75K	Hail(1.00)
Wabasha County								
Plainview	09	2152CST			0	0		Hail(0.75)
Wabasha County								
Elgin	09	2155CST			0	0		Hail(0.75)
Mower County								
5 SE Grand Meadow	09	2232CST			0	0		Hail(0.75)
Spotters and law enforcement officials reported hail the size of pennies, nickels and quarters.								
Wabasha County								
North Portion	09	2115CST 2355CST			0	0	3.5K	Flash Flood
2 to 4 inches of rain fell in two hours, which caused flash flooding.								
Wabasha County								
2 NE Jarretts	19	1957CST			0	0	0.30K	Thunderstorm Wind (EG52)
Law enforcement officials reported several trees were blown down by winds estimated around 60 mph.								
Fillmore County								
4 E Spring Vly	21	1124CST			0	0		Hail(0.75)

WISCONSIN, Southwest

Grant County								
Hazel Green	07	1650CST			0	0	0.50K	Hail(1.00)
Grant County								
Hazel Green	07	1651CST			0	0	0.50K	Hail(1.25)
Hail the size of quarters and half dollars was reported by spotters and law enforcement officials								
Trempealeau County								
Elk Creek	07	2342CST			0	0	0.75K	Hail(1.75)
Monroe County								
Sparta	07	2344CST			0	0		Hail(0.75)
Amateur radio operators and law enforcement officials reported hail ranging in size from pennies to golf balls								
Crawford County								
2 S Ferryville	08	1906CST			0	0		Hail(0.75)
Crawford County								
Ferryville	08	1919CST			0	0		Hail(0.75)
Crawford County								
2 E Ferryville	08	1920CST			0	0		Hail(0.88)
Crawford County								
2 E Ferryville	08	1924CST			0	0		Hail(0.75)
Crawford County								
Seneca	08	1945CST			0	0	0.50K	Hail(1.00)
Hail the size of pennies and quarters was reported by the public and amateur radio operators.								
Crawford County								
Northwest Portion	08	2000CST 2230CST			0	0	15K	Flash Flood



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<u>WISCONSIN, Southwest</u>								
Vernon County								
Southwest Portion	08	2015CST 2230CST			1	0	15K	Flash Flood
		F64VE						
Flash flooding occurred when 3 to 5 inches of rain fell in less than two hours. Mudslides and rock slides were reported by law enforcement officials along Highway 35 near De Soto, Lynxville and Ferryville (Crawford County). Near the town of Purdy (Vernon County), a woman died when her car was swept away as she attempted to cross a swollen creek that drains into the Bad Axe River. Her body was found about a quarter mile downstream and her car was 150 to 200 feet away.								
Taylor County								
2 W Gilman	09	1917CST			0	0	2K	Thunderstorm Wind (EG52)
Buffalo County								
Nelson	09	1923CST			0	0		Hail(0.75)
Clark County								
8 S Willard	09	1948CST			0	0		Hail(0.75)
Trempealeau County								
Independence	09	1948CST			0	0		Hail(0.75)
Clark County								
3 E Loyal	09	1955CST			0	0		Hail(0.75)
Buffalo County								
Montana	09	2141CST			0	0		Hail(0.75)
Hail the size of pennies was reported by amateur radio operators, law enforcement officials and spotters. Winds estimated at 60 mph also damaged a grain storage bin near Gilman (Taylor County)								
Buffalo County								
North Portion	09	2054CST 2350CST			0	0	5K	Flash Flood
Trempealeau County								
North Portion	09	2220CST 2355CST			0	0	4K	Flash Flood
Flash flooding was caused by 2 to 4 inches of rain, which fell in two hours. Law enforcement officials in Arcadia (Trempealeau County) reported numerous flooded streets.								
Jackson County								
Merrillan	12	1510CST			0	0	0.40K	Thunderstorm Wind (EG54)
Clark County								
Colby	12	1522CST			0	0	0.30K	Thunderstorm Wind (EG52)
Clark County								
Curtiss	12	1528CST			0	0	0.30K	Thunderstorm Wind (EG54)
Law enforcement officials and the public estimated wind gusts of 60 to 65 mph, which knocked down several trees								
Grant County								
2 S Potosi	17	1808CST			0	0	0.25K	Thunderstorm Wind (EG52)
The public estimated winds gusting to around 60 mph, which flattened a hay field								
Vernon County								
De Soto	21	1146CST			0	0	0.75K	Hail(1.00)
Vernon County								
Retreat	21	1158CST			0	0	0.80K	Hail(1.50)
Vernon County								
Liberty Pole	21	1211CST			0	0		Hail(0.75)



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WISCONSIN, Southwest

Vernon County

7 SE Viroqua 21 1213CST 0 0 1.3K Hail(1.75)

Vernon County

1 W Hillsboro 21 1316CST 0 0 Hail(0.75)

Juneau County

Wonewoc 21 1338CST 0 0 Hail(0.75)

Crawford County

5 N Prairie Du Chien 21 1356CST 0 0 Hail(0.75)

Hail ranging in size from pennies to as large as golf balls were reported by the public, spotters and emergency managers.

WIZ053>054

Vernon - Crawford

21 1400CST 0 0 27K Flood
28 0700CST

Rainfall amounts totaling 8 to 10 inches caused flooding of mainly agricultural land along the Kickapoo River

Crawford County

Countywide 21 2155CST 0 0 200K 200K Flash Flood
22 0130CST

Richland County

Countywide 21 2231CST 0 0 75K 50K Flash Flood
22 0130CST

Vernon County

Countywide 21 2232CST 0 0 250K 250K Flash Flood
22 0130CST

Grant County

North Portion 21 2238CST 0 0 100K 100K Flash Flood
22 0230CST

2 to 4 inches of rain in two hours caused flash flooding. Law enforcement officials and emergency managers reported several roads were either washed out or covered with water as much as 3 to 4 feet deep. Some roads were closed by mudslides, including Highway 82 near La Farge (Vernon County) and Highway 35 between Prairie du Chien and Lynxville (Crawford County)

Grant County

Countywide 22 2308CST 0 0 150K 150K Flash Flood
23 0415CST

Vernon County

Countywide 23 0000CST 0 0 125K 90K Flash Flood
0415CST

Crawford County

Countywide 23 0014CST 0 0 200K 200K Flash Flood
0415CST

Richland County

Countywide 23 0014CST 0 0 30K 35K Flash Flood
0415CST

For the second consecutive night, flash flooding affected southwest Wisconsin, with rainfall amounts totaling 2 to 4 inches. Law enforcement officials and emergency managers reported mudslides blocking highways. In Prairie du Chien (Crawford County), several people were stranded in vehicles attempting to cross flooded roads. Due to the damage from flash flooding, Crawford, Vernon and Grant County were declared disaster areas.

Grant County

3 SW Kieler 23 0218CST 0 0 8K Thunderstorm Wind (EG55)

Wind gusts estimated at 60 to 65 mph blew down a pole barn, ripped a large deck off of a house and moved a snowmobile trailer 100 to 150 yards.